

# **Ion Beams of Low-Pressure Glow Discharge in Transverse Supersonic Gas Flow**

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## **Abstract**

© 2018 IEEE. Article presents a model for realization of glow discharge at pressure below 4 Pa due to organization of supersonic gas flow in limited region of electrode gap. A model of flow regime of a supersonic flow in a vacuum chamber is described. Results of experiments on realization of a glow discharge at pressure below 4 Pa due to organization of a transverse supersonic gas flow are shown.

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## **Keywords**

glow discharge, nozzle, supersonic flow, vacuum

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